

# Notice of Allowability

Application No.

10/070,697

Applicant(s)

MIMURA ET AL.

Examiner

Hai Vo

Art Unit

1771

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment after final filed 07/02/2007.
2. ☒ The allowed claim(s) is/are 13-24.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>20070713</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                         |
|  | 9. <input type="checkbox"/> Other _____  |

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with T. Daniel Christenbury on 07/13/2007.

The application has been amended as follows:

***The claim:***

13. (Currently Amended) A white film for a reflecting structure for surface light sources comprising a film containing voids and a light stabilizer-containing coating layer formed on at least one surface of the white film, wherein the coating layer comprises mainly a copolymer of a resin component and at least 20% 25% by weight, based on the weight of the copolymer, of a light stabilizer component that includes at least a hindered amine.

### ***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance: Note that the 112 claim rejections have been overcome in view of the verification of translation from Iwao Okazaki filed 07/02/2007. The description that the coating comprises at least 25% by weight of a light stabilizer component based on the weight of the copolymer is fully provided in the second paragraph at page 18 of the present specification. Applicants' arguments and Examiner's amendment are sufficient to overcome the art rejections and sufficient to place the instant claims in condition for allowance.

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Of the references of record, the most pertinent are Miyakawa et al (US 5,672,409), Ishii et al (US 5,710,856), Kamath (US 4,927,891), Oberg et al (US 5,872,165) and Behrens et al (US 5,124,378).

Miyakawa and Ishii, each teach a white film for a reflecting structure for surface light sources comprising a film containing voids and a light stabilizer-containing coating layer formed on at least one surface of the white film. However, they do not teach the coating comprises mainly a copolymer of a resin component and at least 25% by weight, based on the weight of the copolymer, of a light stabilizer component that includes at least a hindered amine.

Kamath teaches a coating material comprising 0 to 20 parts by weight of a light stabilizer component per 100 parts by weight of an acrylic prepolymer. Likewise, the light stabilizer component is contributed about 17% by weight or less based on the total weight of the copolymer.

Behrens teaches a coating material made from an acrylic resin with attached light stabilizing group for stabilization of the coating against thermal and light degradation and for improving the durability and weatherability of the coatings (abstract). The light stabilizer includes a hindered amine, benzotriazole, benzophenone and combination thereof and incorporated into the coating composition in an amount of 0.2 to 20 wt% based on total coating composition weight (column 16, lines 38-40).

Oberg teaches a coating material made from an acrylic resin with attached light stabilizing group for stabilization of the coating against thermal and light degradation and for improving the durability and weatherability of the coatings (abstract). The

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coating composition comprises a polymer-bound benzotriazole in an amount of 0.1 to 30 wt% and a non-polymer bound ultraviolet light absorber including a hindered amine in an amount of 1.5 wt% (column 6, lines 17-21 and example 4).

As pointed out by Applicants, none of the prior art taken alone or in combination teaches or suggests a white film of the claimed invention wherein a coating comprises mainly a copolymer of a resin component and at least 25% by weight, based on the weight of the copolymer, of a light stabilizer component that *includes at least a hindered amine*.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai Vo whose telephone number is (571) 272-1485. The examiner can normally be reached on Monday through Thursday, from 9:00 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on (571) 272-1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HV

Date: July 13, 2007

/Hai Vo/

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